

5 METHODS AND APPARATUS FOR
COORDINATING PROCESSING OF NETWORK
CONNECTIONS BETWEEN TWO NETWORK
10 PROTOCOL STACKS

10 **ABSTRACT OF THE DISCLOSURE**

Methods and apparatus for processing a network connection are disclosed.

The network connection is established by a first network protocol stack. A
determination is made whether to offload the network connection from the

15 first network protocol stack to the second network protocol stack. The
network connection is then transferred from the first network protocol stack to
the second network protocol stack when a determination has been made to
offload the network connection from the first network protocol stack to the
second network protocol stack. The network connection is handled by second

20 network protocol stack until a determination has been made to offload the
network connection back to the first network protocol stack. When an
indicator is received indicating a request to transfer the network connection
back to the first network protocol stack, the network connection is transferred
back to the first network protocol stack. State information associated with the
25 network connection is shared by the two network protocol stacks, thereby
enabling the network connection to be transferred seamlessly and without loss
of data.